

# ANNUAL REPORT FOR 2005



**Squires Run Bridge**  
**Onslow County**  
**TIP No. B-3884**  
**CAMA permit No. 91-04**



Prepared By:  
Natural Environment Unit & Roadside Environmental Unit  
North Carolina Department of Transportation  
December 2005

## TABLE OF CONTENTS

SUMMARY .....	1
1.0 Introduction .....	2
.1 Project Description .....	2
.2 Purpose .....	2
.3 Project History .....	2
2.0 Vegetation: .....	3
.1 Success Criteria .....	3
.2 Results of Vegetation Monitoring .....	3
.3 Conclusions. ....	3
3.0 Overall Conclusions and Recommendations .....	3

## FIGURES

Figure 1 – Site Location Map .....	4
------------------------------------	---

## APPENDICES

Appendix A – Site Photos .....	5
--------------------------------	---

## **SUMMARY**

The Squires Run Bridge Mitigation Site (B-3884) is located in Onslow County. This is an annual report for temporary impacts associated with bridge replacement of Bridge No. 40 over Squires Run on SR 1308. The site was completed in April 2005.

The temporary impacts encompass approximately 0.01 acres. The area that was impacted by mechanized clearing is being monitored to ensure that it re-attains wetland jurisdictional status. No hydrologic monitoring is required for this site; however, vegetation monitoring is required for three years.

After the first year of monitoring, the Squires Run Bridge site shows by visual observation that the temporarily impacted area is re-attaining wetland jurisdictional status.

NCDOT recommends continuing vegetation monitoring of this site.

## **1.0 INTRODUCTION**

### **1.1 Project Description**

The Squires Run Bridge Site (B-3884) is located in Onslow County. This is an annual report for temporary impacts associated with bridge replacement of Bridge No. 40 over Squires Run on SR 1308 (Figure 1).

### **1.2 Purpose**

In order for a temporarily impacted site to be considered successful, the site must re-attain wetland jurisdictional status. This report details the vegetation monitoring in 2005 at the Squires Run Bridge site. Hydrologic monitoring was not required for this site.

### **1.3 Project History**

April 2005	Project Completed
July 2005	Vegetation Monitoring (1 year)

## **2.0 VEGETATION: SQUIRES RUN BRIDGE SITE (YEAR 1 MONITORING)**

### **2.1 Success Criteria**

Due to the possibility that compaction, mechanized clearing, and/or other site alterations might prevent the temporary wetland impact area from re-attaining wetland jurisdictional status, the permittee shall provide an annual update on the wetland areas temporarily impacted by this project. This annual update will consist of photographs and a brief report on the progress of the temporarily impacted areas. After three years of monitoring, the permittee shall schedule a field meeting with DCM, DWQ, and WRC to determine if the temporarily impacted areas have re-attained jurisdictional wetland status. If at the end of three years the area has not re-attained jurisdictional wetland status, NC DCM and the above listed agencies shall determine whether a compensatory wetland mitigation plan will be required.

### **2.2 Description of Species**

There were no species planted for the temporary impacts. The temporarily impacted areas were left to revegetate naturally.

### **2.3 Results of Vegetation Monitoring**

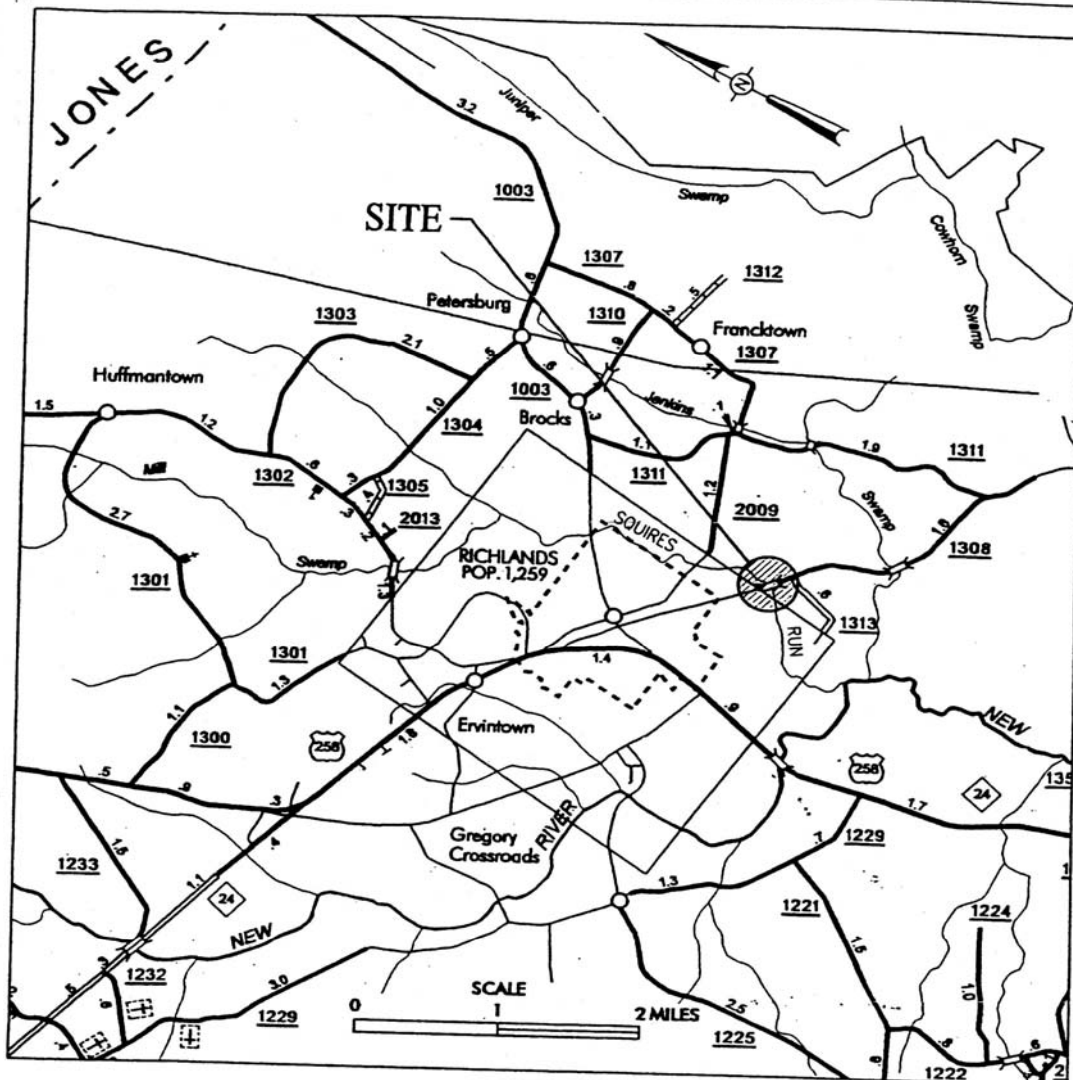
Species noted in temporary impact area are as follows: green ash, red maple, scarlet oak, willow oak, baldcypress, swamp chestnut oak, goldenrod, box elder, privet, fennel, and various grasses.

### **2.4 Conclusions**

There were approximately 0.01 acres of temporary impacts on site. By visual observation Squires Run Bridge site shows that natural re-vegetation is occurring and that the impacted areas are re-attaining jurisdictional wetland status. Area Field Operations Engineer has been contacted about removing the special sediment control fence. This should take place as soon as the slope stabilizes.

## **3.0 Overall Conclusions and Recommendations**

NCDOT will continue vegetation monitoring at the Squires Run Bridge Site.



## VICINITY MAP

N.C. DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS

ONSLQW COUNTY

PROJECT: 8.2261301 (B-3884)  
REPLACE BRIDGE #40 ON SR 1308  
OVER SQUIRES RUN

SHEET 1 OF 7

3/2/44

# **APPENDIX A**

## **SITE PHOTOS**

# Squires Run Bridge



Photo 1



Photo 2